

SOAR Project Status

Themes

1. The 'New State' of the Pacific Arctic sector: Observations & models of sea ice loss and effects on primary production
2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)
3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology

Progress in Oceanography SOAR Special Issue Papers

Theme 1. The 'New State' of the Pacific Arctic sector: Observations & models of sea ice loss, effects on primary production and acoustic ecology			
Project Lead	Received	Updates	Paper Title
Arrigo ** Stabeno	9/2/13	<ul style="list-style-type: none"> 2nd revision complete In BOEM review 	Continued increases in Arctic Ocean primary production
Frey ** Moore	6/30/14	<ul style="list-style-type: none"> In revision 	Recent regime shifts in sea ice cover across the Pacific Arctic region
Mathis ** Stabeno	11/14/13	<ul style="list-style-type: none"> Published online with Open Access 	Ocean acidification risk assessment for Alaska's fishery sector
Wood & Overland ** Stabeno	3/28/14	<ul style="list-style-type: none"> In revision 	A decade of environmental change in the Pacific Arctic region
Theme 2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)			
Project Lead	Received	Updates	Paper Title
Grebmeier** & Bluhm	6/30/14	<ul style="list-style-type: none"> In revision 	Benthic system analysis at predator-prey "hotspot" sites along a latitudinal gradient in the northern Bering and Chukchi seas
Logerwell ** Moore	8/1/14	<ul style="list-style-type: none"> In review 	Fish communities across a spectrum of habitats in the Beaufort and Chukchi seas
Lovvorn ** Jay	9/30/14	<ul style="list-style-type: none"> In review 	Limits to viability of a critical Arctic migration corridor due to localized prey, changing sea ice, and impending industrial development

Theme 3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology			
Project Lead	Received	Updates	Paper Title
Citta & Quakenbush **George	12/30/13	<ul style="list-style-type: none"> Published online with Open Access 	Ecological characteristics of core-use areas used by Bering-Chukchi-Beaufort (BCB) bowhead whales, 2006-2012
Clark**	4/3/14	<ul style="list-style-type: none"> In revision 	A year in the acoustic world of western Arctic bowhead whales.
Crawford & Quakenbush	5/4/14	<ul style="list-style-type: none"> In revision 	Responses of ringed and bearded seals to dietary shifts in the Pacific Arctic
Divoky ** Suydam	6/6/14	<ul style="list-style-type: none"> In revision 	Effects of recent decreases in arctic sea ice on an ice-associated marine bird
George**	12/6/13	<ul style="list-style-type: none"> Accepted 	Bowhead whale body condition and links to summer sea ice and upwelling in the Beaufort Sea
Harwood **George	1/31/14	<ul style="list-style-type: none"> Revised In BOEM review 	Winners and losers in a changing Beaufort Sea Ecosystem: Divergent trends in body condition of five marine vertebrate species
Kuletz & Ferguson ** Angliss	6/4/14	<ul style="list-style-type: none"> In revision 	Seasonal spatial patterns in seabird and marine mammal distribution in the Pacific Arctic: identifying biologically important pelagic areas
MacIntyre **Moore	7/1/14	<ul style="list-style-type: none"> In revision 	The relationship between sea ice concentration and the spatio-temporal distribution of vocalizing bearded seals (<i>Erignathus barbatus</i>) in the Bering, Chukchi, and Beaufort Seas from 2008-2011
Project Lead		Updates	Paper Title
Moore & Stabeno		<ul style="list-style-type: none"> A synthesis of the key findings of all papers in the Progress in Oceanography special issue 	Synthesis of the synthesis